

ABSTRACT

A uniform coating process of a powder metal micro thin film applies to a container with various shapes and a smooth interior bottom surface. A powder metal is mixed with a liquid to form a mixture. The mixture is filled in the
5 container, which is then slightly vibrated allowing the mixture to evenly distribute on the interior bottom surface. The liquid is vaporized until the powder metal deposited on the bottom surface has a thickness less than 0.1mm. Thereby, a thin film is formed with a simple process and low cost.